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Maintenance

**MANAGING INTERCONTINENTAL
BALLISTIC MISSILES MAINTENANCE**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements Air Force Policy Directive (AFPD) 21-1, *Managing Aerospace Equipment Maintenance*. This Air Force Instruction (AFI) in conjunction with AFPD 21-1 establishes procedures for maintaining land-based intercontinental ballistic missiles (ICBM). It applies to Headquarters US Air Force, Air Force Space Command (AFSPC), Air Force Materiel Command (AFMC), and subordinate ICBM units. Users should send comments and suggested improvements on AF Form 847, **Recommendation for Change of Publication**, through channels, to HQ USAF/ILMW, 1030 Air Force Pentagon, Washington DC 20330-1030. This instruction may be supplemented at any organizational level. Major commands (MAJCOM) will send one copy of each to the next higher headquarters. This instruction does not apply to the US Air Force Reserve or Air National Guard. **Attachment 1** lists abbreviations, acronyms, and terms.

SUMMARY OF REVISIONS

This issuance aligns with AFPD 21-1. It adds HQ USAF/ILMW responsibilities yet does not change responsibilities/authorities of subordinate MAJCOMS and/or ICBM units.

1. Headquarters US Air Force (HQ USAF/ILMW) Responsibilities. HQ USAF logistics managers for Minuteman and Peacekeeper Intercontinental Ballistic Missile (ICBM) weapon system, facilities and personnel. HQ USAF/ILMW will:

- 1.1. Provide Air Staff support for all ICBM matters.
- 1.2. Perform duties of Career Field Manager for 2M0XX enlisted and 21MX officer personnel.
- 1.3. Develop, articulate and clarify HQ USAF maintenance and logistics policies with MAJCOMs, Unified Commands, Congress, National Security Council, DOE, OSD, and JCS.
- 1.4. Advocate weapon system sustainment, modification and acquisition programs.

2. Air Force Space Command (AFSPC) Responsibilities. Develop maintenance management guidance and procedures that allow ICBM units to achieve the highest levels of safety, surety, readiness, and maintenance productivity. HQ AFSPC/LG will:

- 2.1. Provide manpower and equipment authorizations; plan and program required facilities needed to execute maintenance production responsibilities.
- 2.2. Determine manpower requirements and distribute throughout the maintenance fleet in the best peacetime mix.
- 2.3. Advocate funding requirements necessary to support ICBM weapon systems.
- 2.4. Justify and request additional resources or negotiate for depot maintenance assistance to perform emergency workloads.
- 2.5. Coordinate with the System Program Director (SPD) to determine depot supportability requirements and develop maintenance concept for all equipment.
- 2.6. Ensure units assure all maintenance personnel practice proper maintenance, supply, safety and security.
- 2.7. Help units resolve support problems beyond their capability.
- 2.8. Monitor and analyze weapon system effectiveness and provide necessary information to the SPD for problem resolution.
- 2.9. Project maintenance concept changes in sufficient time to program required support resources including technical data, support equipment, training, and spare levels.
- 2.10. Project maintenance requirements into integrated logistics support planning process for new programs and equipment. Identify maintenance requirements consistent with operational profiles for systems and equipment.
- 2.11. Standardize policies and procedures without imposing needless restraints on the maintenance production effort.
- 2.12. Establish policy/guidance to ensure units establish effective occupational safety, health, and environmental compliance programs.
- 2.13. Establish policy/guidance to ensure units standardize vehicle requirements and coordinate vehicle buys to purchase proper vehicles.
- 2.14. Maintain a listing of maintenance activity facility requirements by subordinate unit. The listing indicates the requirement, the funding program (O&M, P341, MCP), and the base priority.
- 2.15. Rank order maintenance activity facility requirements through active participation in the MAJ-COM preparation process.
- 2.16. Review project programming documents. Actively participate in design reviews to accurately define, fully justify, and effectively satisfy requirements.
- 2.17. Direct each unit to develop a comprehensive, long-range maintenance complex communications plan.
- 2.18. Standardize the organizational structure of the maintenance complex along functional lines.
- 2.19. Establish maintenance workforce work-hour and rest period policy.

- 2.20. Establish policy/guidance to assure lower level units adhere to resource protection, physical security, information security, and industrial safety programs.
- 2.21. Determine specific policies, organization responsibilities, and procedures to control maintenance.
- 2.22. Establish the planning cycle and specify various plan contents to ensure proper and effective use of maintenance resources.
- 2.23. Establish policy/guidance to assure units implement a quality assurance (QA) program to effectively assess the unit's ability to accomplish the mission.
- 2.24. Ensure units establish policies and procedures focusing QA efforts on specific known or suspected problem areas.
- 2.25. Establish policy/guidance to assure units outline specific tasks performed by the analysis function.
- 2.26. Develop and standardize training management policies and procedures.
- 2.27. Assist MAJCOM Manpower Office in determining element names, numbers, composition, and responsibilities (subject to HQ USAF approval). Standardize elements to the section level.
- 2.28. Retain possession of a Category "A" facility with depot technical activity on site.
- 2.29. Responsible for the safety of all on-site activities in a Category "A" configuration, except depot technical activity.
- 2.30. Direct the RIVET FIX (AF Gold) program.

3. Air Force Materiel Command (AFMC) Responsibilities. AFMC provides infrastructure resource support in accordance with AFMCI 21-125 to the single manager for ICBM weapon systems in order to meet sustainment and readiness requirements. AFMC will:

- 3.1. Determine the Center of Excellence best suited to support the user (AFSPC) during pre-Milestone I activities.
- 3.2. At Milestone I, assign program management responsibility to a single manager for total program support. Program support will comply with Department of Defense (DoD) Directive 5000.1, *Defense Acquisition*, February 23, 1991, DoD Instruction 5000.2, *Defense Acquisition Management Policies and Procedures*, February 23, 1991, with Change 1, and AFMCI 21-125.
 - 3.2.1. The single manager ensures safe and efficient conduct of technical activity performed on-site beyond the scope of the using command. The single manager will:
 - 3.2.1.1. Develop a management plan to cover all aspects of the technical activity to be performed on-site and coordinate with the using command.
 - 3.2.1.2. Assume possession of a Category "B" facility when the technical activity accomplished by depot personnel requires removal of the reentry system and missile.

4. Numbered Air Force (20th Air Force) Responsibilities. Commander Task Force Intercontinental Ballistic Missiles (CTF-ICBM) will exercise OPCON of the ICBM force on alert for USCINCSSTRAT. The numbered Air Force manages the day-to-day alert force for USSTRATCOM. The numbered Air Force (20 AF) will:

- 4.1. Coordinate ICBM forces OPlan taskings with supported Commanders-in-Chief and AFSPC.
- 4.2. Develop and exercise wartime logistics support plans and annexes.
- 4.3. Execute maintenance requirements of war fighting plans.
- 4.4. Monitor unit alert status and maintenance status for impact on war fighting capability.
- 4.5. Execute Missile Potential Hazard (MPH) actions, establish MPH network with affected units, depot and needed agencies.
- 4.6. Coordinate long-term off alert conditions requiring joint plan interim changes with AFSPC for incorporation into single integrated operational plan planning.
- 4.7. Perform unit Combat Capability Assessments and provide staff assistance visits to improve unit combat capability when requested by units or directed by CTF-ICBMs or USCINCPAC.
- 4.8. Assist subordinate ICBM units with technical expertise necessary to resolve weapon system issues.
- 4.9. Resolve unit equipment shortages in coordination with the AFSPC/LGS representatives.
- 4.10. Execute technical data waiver authority coordinating with proper technical authority.
- 4.11. Schedule deactivation/conversion activities at the units; monitor schedules for deviations and additional support requirements.
- 4.12. Act as the mobility focal point. Monitor 20 AF unit mobility requirements, taskings, and status to include LIMFACS.
- 4.13. Act as focal point for RIVET FIX initiatives from subordinate ICBM units.

5. Space Wing Responsibilities. Ensure activities aim toward and support the Single Integrated Operational Plan or assigned mission, i.e., deactivation or conversion and the force development evaluation program. Follow maintenance management policy and procedures to achieve the most efficient use of manpower and fiscal resources, safety, surety, readiness, and maintenance productivity. The Maintenance/Logistics Group Commander will:

- 5.1. Ensure a safe, timely response to discrepancies at missile sites, missile alert facilities, and support facilities, placing extra emphasis towards clearing non-mission capable and partial-mission-capable discrepancies.
- 5.2. Direct maintenance production efforts.
- 5.3. Coordinate with appropriate agencies to ensure accomplishment of the maintenance mission.
- 5.4. Determine maintenance priorities and schedule expenditures of resources in support of the maintenance priority system.
- 5.5. Employ technical engineering staff to troubleshoot and resolve weapon system malfunctions beyond the routine scope of technical data. Coordinate missile potential hazard situations and technical data waivers with numbered air force (20 AF).
- 5.6. Manage the weapon system oriented supply system.
- 5.7. Conduct management of data automation activities, maintenance documentation, and maintenance analysis.

- 5.8. Manage manpower, mission support equipment, facilities, financial management, and long-range plans for all maintenance activities.
- 5.9. Conduct, schedule, monitor, and control a viable maintenance community training program.
- 5.10. Maintain local ICBM maintenance training facilities.
- 5.11. Appraise maintenance effectiveness by inspecting personnel, procedures, facilities, equipment, technical data, and managerial directives.
- 5.12. Manage the unit ICBM maintenance technical order system.
- 5.13. Manage an effective and viable environmental compliance program.
- 5.14. Standardize organizational structure IAW AF and MAJCOM directives.

JOHN W. HANDY, Lt General, USAF
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Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

The publications identified in this attachment are the primary references used to develop this instruction. They are provided for personnel desiring to conduct additional research in a specific area.

Section 1 - Headquarters US Air Force (HQ USAF/ILMW) Responsibilities.

AFMAN 36-2245, *Managing Career Field Education & Training*

AFI 36-2616, *Trained Personnel Requirements*

AFI 36-2618, *Enlisted Force Structure*

Section 2 - Air Force Space Command (AFSPC) Responsibilities.

AFSPCI 21-0114, *Intercontinental Ballistic Missile (ICBM) Maintenance Management*

AFI 21-123, *Air Force Gold Program*

Section 3 - Air Force Material Command (AFMC) Responsibilities.

AFMCI 21-125, *Management of Depot Maintenance Programs*

DODD 5000.1, *Defense Acquisition*

DODD 5000.2, *Defense Acquisition Management Policies and Procedures*

Section 4 - Numbered Air Force (20th Air Force) Responsibilities.

SD 513-2, *Task Force Commanders Operating Instruction*

AFSPCI 21-0114, *Intercontinental Ballistic Missile (ICBM) Maintenance Management*

Section 5 - Space Wing Responsibilities.

AFSPCI 21-0114, *Intercontinental Ballistic Missile (ICBM) Maintenance Management*

Abbreviations and Acronyms

AFI—Air Force Instruction

AFMC—Air Force Materiel Command

AFMCP—Air Force Material Command Pamphlet

AFPD—Air Force Policy Directive

AFSPC—Air Force Space Command

AFSPCI—Air Force Space Command Instruction

DOD—Department of Defense

DOE—Department of Energy

DODD—Department of Defense Directive

ICBM—Intercontinental Ballistic Missile

JCS—Joint Chiefs of Staff

LIMFACS—Limiting Factors

MAJCOM—Major Command

OPCON—Operational Control

OSD—Office of Secretary of Defense

QA—Quality Assurance

SD—Strategic Directive (USSTRATCOM)

SPD—System Program Director

SPO—System Program Office

USSTRATCOM—US Strategic Command

Terms

Category "A"—A situation where weapon system maintenance activity by any agency or command other than the using command takes place and the system remains near or in an alert posture. In such a case, the using command retains possession of the system and allows other agencies or commands access to accomplish the required work.

Category "B"—A situation where weapon system maintenance activity by an agency or command other than the using command takes place, and the nature or magnitude of the project is such that missile and reentry systems removal is required. The facility and remaining system are in custody of the single manager command to accomplish the required work.